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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/608,324	06/27/2003	Mingqiu Sun	20002/16136X2	7993
34431 7590 05/08/2007 HANLEY, FLIGHT & ZIMMERMAN, LLC 150 S. WACKER DRIVE SUITE 2100 CHICAGO, IL 60606			EXAMINER PEIKARI, BEHZAD	
			ART UNIT 2189	PAPER NUMBER
			MAIL DATE 05/08/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## DETAILED ACTION

### *Request for Information*

1. Applicant and the assignee of this application are required under 37 CFR 1.105 to provide the following information that the examiner has determined is reasonably necessary to the examination of this application.

In response to this requirement, please provide answers to each of the following requests for factual information:

(A) The reference *Entropy-based Characterization of Program Phase Behaviors*, listed as "C04" in the IDS filed on June 1, 2006, proposes the same ideas as that of the claimed invention. This reference is dated 2004, which is after the filing date of the present application. Several passages of this reference are identical to the present specification. Several Figures in the reference are identical to the drawings of the present invention. This reference credits four people, Mingqiu Sun, Joe E. Daly, Hong Wang and John P. Shen. The reference makes repeated use of the word "we", but only one these four people is listed as an inventor in the present application.

(1) Explanation is requested as to what features of the cited reference were invented solely by the applicant of the present invention and what features of the cited reference were introduced by the other three people.

(2) In response to this requirement, please provide copies of each publication which the inventor authored or co-authored and which describe the disclosed subject matter of the claims.

(3) In response to this requirement, please provide copies of each publication which Joe E. Daly, Hong Wang and/or John P. Shen authored or co-authored and which describe subject matter relevant to the claims.

(B) Some of the claims (note, e.g., claim 41) do not appear to include any improvement over the art cited in the affidavits filed on September 6, 2006 (note, e.g., the Doug et al. reference introducing "Markov predictors" or the Dhodapkar/Smith signature computation). In a voicemail left for the examiner on April 11, 2007, in response to a query by the examiner in a telephone interview held on April 10, 2007, applicant noted that claim 11 describes the "sliding window" feature of the affidavits and that claim 16 describes the "exponential decay" feature of the affidavits. The examiner requests further explanation of which of the remaining claims represent which particular features listed as improvements in the affidavits filed on September 6, 2006.

The applicant is reminded that the reply to this requirement must be made with candor and good faith under 37 CFR 1.56. Where the applicant does not have or cannot readily obtain an item of required information, a statement that the item is unknown or cannot be readily obtained may be accepted as a complete reply to the requirement for that item.

This requirement is subject to the provisions of 37 CFR 1.134, 1.135 and 1.136 and has a shortened statutory period of 1 month. **EXTENSIONS OF THIS TIME PERIOD MAY BE GRANTED UNDER 37 CFR 1.136(a).**

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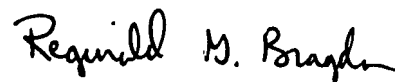
2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to James Peikari whose telephone number is (571) 272-4185. The examiner is generally available between 7:00 am and 7:30 pm, EST, Monday through Wednesday, and between 5:30 am and 4:00 pm on Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Reginald Bragdon, can be reached at (571) 272-4204. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center at 866-217-9197 (toll-free).



B. James Peikari  
Primary Examiner  
Art Unit 2189  
4/14/07



REGINALD BRAGDON  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100